

MAJOR SOURCE OPERATING PERMIT

PERMITTEE: NSSG HOLDINGS, LLC
FACILITY NAME: SCOTCH GULF LUMBER, LLC - JACKSON
FACILITY/PERMIT NO.: 102-S004
LOCATION: JACKSON, CLARKE COUNTY, ALABAMA

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code 1975, §§22-22A-1 to 22-22A-15, (2006 Rplc. Vol. and 2007 Cum. Supp.) and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

Issuance Date: April 7, 2015
Effective Date: April 7, 2015
Modification Date: DRAFT
Expiration Date: August 31, 2019

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| <p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in ADEM Admin. Code r. 335-3-16-.13(1)(a)5.</p> | <p>ADEM Admin. Code r. 335-3-16-.02(6)</p> |
| <p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> | <p>ADEM Admin. Code r. 335-3-16-.12(2)</p> |
| <p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(e)</p> |
| <p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(f)</p> <p>ADEM Admin. Code r. 335-3-16-.05(g)</p> |

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| <p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(h)</p> |
| <p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(i)</p> |
| <p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Air Division, within 30 days or for such other reasonable time as the Air Division may set, any information that the Air Division may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Air Division copies of records required to be kept by this permit.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(j)</p> |
| <p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(k)</p> |
| <p>9. <u>Certification of Truth, Accuracy, and Completeness</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p> | <p>ADEM Admin. Code r. 335-3-16-.07(a)</p> |
| <p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> | <p>ADEM Admin. Code r. 335-3-16-.07(b)</p> |

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| <ul style="list-style-type: none"> (a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. | |
| 11. <u>Compliance Provisions</u> | |
| <ul style="list-style-type: none"> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. | ADEM Admin. Code r. 335-3-16-.07(c) |
| 12. <u>Compliance Certification</u> | |
| <p>The permittee shall submit a complete and accurate compliance certification by October 31st of each year for each annual reporting period of this permit (September 1st – August 31st).</p> <ul style="list-style-type: none"> (a) The compliance certification shall include the following: <ul style="list-style-type: none"> (1) The identification of each term or condition of this permit that is the basis of the certification; (2) The compliance status; (3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with ADEM Admin. Code r. 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements); (4) Whether compliance has been continuous or intermittent; (5) Such other facts as the Air Division may require to determine the compliance status of the source; (b) The compliance certification shall be submitted to: | ADEM Admin. Code r. 335-3-16-.07(e) |

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| <p>Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p>and to:</p> <p>Director, Air & EPCRA Enforcement Branch US EPA Region 4 61 Forsyth Street, Suite 9T43 Atlanta, GA 30303-8960</p> | |
| <p>13. Reopening for Cause</p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <ul style="list-style-type: none"> (a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire. (b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit. (c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. (d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements. | <p>ADEM Admin. Code r. 335-3-16-.13(5)</p> |
| <p>14. Additional Rules and Regulations</p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p> | <p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p> |

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| 15. <u>Equipment Maintenance or Breakdown</u> | |
| <p>(a) In case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Air Division at least (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none"> (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quality of emissions of air contaminants likely to occur during the shutdown period; (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; (5) The reasons that it would be impossible or impractical to shut down the sources operation during the maintenance period. <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p> | <p>ADEM Admin. Code r. 335-3-1-.07(1),(2)</p> |
| 16. <u>Operation of Capture and Control Devices</u> | |
| <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p> | <p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p> |

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| <p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p> | <p>ADEM Admin. Code r. 335-3-1-.08</p> |
| <p>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds shall be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <p>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;</p> <p>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;</p> <p>(3) By paving;</p> <p>(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions.</p> <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Air Division prior to utilization.</p> | <p>ADEM Admin. Code r. 335-3-4-.02</p> |
| <p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p> | <p>ADEM Admin. Code r. 335-3-16-.13 and 335-3-16-.14</p> |
| <p>20. <u>Recordkeeping Requirements</u></p> | |

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| <p>(a) Records of required monitoring information of the source shall include the following:</p> <ol style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)2.</p> |
| 21. <u>Reporting Requirements</u> | |
| <p>(a) Reports to the Air Division of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with ADEM Admin. Code r. 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report shall include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)3.</p> |
| 22. <u>Emission Testing Requirements</u> | |
| <p>Each point of emission which requires testing shall be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> | <p>ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1)</p> |

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| <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <ul style="list-style-type: none"> (a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests. (b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures requires probe cleaning). (c) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity. (d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances. <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p> | <p>ADEM Admin. Code r. 335-3-1-.04</p> |
| <p>23. <u>Payment of Emission Fees</u></p> <p>The permittee shall remit the annual Operating Permit Fees required by ADEM Admin. Code r. 335-1-7-.04 according to the schedule in ADEM Admin. Code r. 335-1-7-.05.</p> <p>The permittee shall submit its estimate of actual emissions for the previous calendar year according to the schedule in ADEM Admin. Code r. 335-1-7-.05.</p> | <p>ADEM Admin. Code r. 335-1-7-.05</p> <p>ADEM Admin. Code r. 335-1-7-.05</p> |
| <p>24. <u>Other Reporting and Testing Requirements</u></p> | |

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| <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p> | <p>ADEM Admin. Code r. 335-3-1-.04(1)</p> |
| <p>25. Title VI Requirements (Refrigerants)</p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR §82.166. Reports shall be submitted to the US EPA and the Department as required.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(a)</p> |
| <p>26. Chemical Accidental Prevention Provisions</p> <p>If a chemical listed in Table 1 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> <p>(b) The owner or operator shall submit one of the following:</p> <ol style="list-style-type: none"> (1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or, (2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. | <p>40 CFR Part 68</p> |
| <p>27. Display of Permit</p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.</p> | <p>ADEM Admin. Code r. 335-3-14-.01(1)(d)</p> |

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| <p>28. <u>Circumvention</u></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p> | <p>ADEM Admin. Code r. 335-3-1-.10</p> |
| <p>29. <u>Visible Emissions</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p> | <p>ADEM Admin. Code r. 335-3-4-.01(1)</p> |
| <p>30. <u>Fuel-Burning Equipment</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.03.</p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-5-.01.</p> | <p>ADEM Admin. Code r. 335-3-4-.03</p> <p>ADEM Admin. Code r. 335-3-5-.01</p> |
| <p>31. <u>Process Industries – General</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.04.</p> | <p>ADEM Admin. Code r. 335-3-4-.04</p> |
| <p>32. <u>Averaging Time for Emission Limits</u></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> |
| <p>33. <u>Open Burning</u></p> <p>Precautions should be taken to ensure that no person shall ignite, cause to ignite, permit to be ignited, or maintain any open fire in such a manner as to cause the Department's rules and regulations applicable to open burning to be violated.</p> | <p>ADEM Admin. Code r. 335-3-3-.01</p> |

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| <p>34. <u>Permit Shield</u></p> <p>A permit shield exists under this operating permit in accordance with ADEM Administrative Code r. 335-3-16-.10 in that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in this operating permit.</p> | <p>ADEM Admin. Code r. 335-3-16-.10</p> |
| <p>35. <u>Compliance Assurance Monitoring (CAM)</u></p> <p>Conditions (a) through (d) that follow are general conditions applicable to emissions units that are subject to the CAM requirements. Specific requirements related to each emissions unit are contained in the unit specific provisos.</p> <p>(a) Operation of Approved Monitoring</p> <p>(1) <i>Commencement of operation.</i> The owner or operator shall conduct the monitoring required under this section and detailed in the unit specific provisos of this permit upon issuance of the permit, or by such later date specified in the permit pursuant to 40 CFR §64.6(d).</p> <p>(2) <i>Proper maintenance.</i> At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.</p> <p>(3) <i>Continued operation.</i> Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.</p> <p>(4) <i>Response to excursions or exceedances.</i></p> | <p>40 CFR §64.7</p> |

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| <p>(a) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.</p> <p>(b) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.</p> <p>(5) <i>Documentation of need for improved monitoring.</i> After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the Department and, if necessary, submit a proposed modification to the permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.</p> | |

| General Permit Provisos | |
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| Federally Enforceable Provisos | Regulations |
| <p>(b) Quality Improvement Plan (QIP) Requirements</p> <p>(1) Based on the results of a determination made under Section 35.(a)(4)(b) above, the Administrator or the permitting authority may require the owner or operator to develop and implement a QIP. Consistent with 40 CFR §64.6(c)(3), the permit may specify an appropriate threshold, such as an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, for requiring the implementation of a QIP. The threshold may be set at a higher or lower percent or may rely on other criteria for purposes of indicating whether a pollutant-specific emissions unit is being maintained and operated in a manner consistent with good air pollution control practices.</p> <p>(2) Elements of a QIP:</p> <p>(a) The owner or operator shall maintain a written QIP, if required, and have it available for inspection.</p> <p>(b) The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate:</p> <p>(i) Improved preventive maintenance practices.</p> <p>(ii) Process operation changes.</p> <p>(iii) Appropriate improvements to control methods.</p> <p>(iv) Other steps appropriate to correct control performance.</p> <p>(v) More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (2)(b)(i) through (iv) above).</p> <p>(3) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.</p> | <p>40 CFR §64.8</p> |

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| <p>(4) Following implementation of a QIP, upon any subsequent determination pursuant to Section 35(a)(4)(b) above, the Department may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have:</p> <p>(a) Failed to address the cause of the control device performance problems; or</p> <p>(b) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.</p> <p>(5) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.</p> | |
| (c) Reporting and Recordkeeping Requirements | 40 CFR §64.9 |
| <p>(1) <i>General reporting requirements.</i></p> <p>(a) On and after the date specified in Section 35(a)(1) above by which the owner or operator must use monitoring that meets the requirements of this part, the owner or operator shall submit monitoring reports to the permitting authority in accordance with ADEM Admin. Code r. 335-3-16-.05(c)3.</p> <p>(b) A report for monitoring under this part shall include, at a minimum, the information required under ADEM Admin. Code r. 335-3-16-.05(c)3. and the following information, as applicable:</p> <p>(i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;</p> <p>(ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and</p> | |

| General Permit Provisos | |
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| Federally Enforceable Provisos | Regulations |
| <p>(iii) A description of the actions taken to implement a QIP during the reporting period as specified in Section 35.(b) above. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.</p> <p>(2) <i>General recordkeeping requirements.</i></p> <p>(a) The owner or operator shall comply with the recordkeeping requirements specified in ADEM Admin. Code r. 335-3-16-.05(c)2. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to Section 35(b) above and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).</p> <p>(b) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.</p> <p>(d) Savings Provisions</p> <p>Nothing in this part shall:</p> <p>(1) Excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Clean Air Act. The requirements of this part shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Clean Air Act, including monitoring in permits issued pursuant to title I of the Clean Air Act. The purpose of this part is to require, as part of the issuance of a permit under title V of the Clean Air Act, improved or new monitoring at</p> | <p>40 CFR §64.10</p> |

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| <p>those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of this part.</p> <p>(2) Restrict or abrogate the authority of the Department to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Clean Air Act, including but not limited to CAA §114(a)(1) and 504(b), or state law, as applicable.</p> <p>(3) Restrict or abrogate the authority of the Department to take any enforcement action under the Clean Air Act for any violation of an applicable requirement or of any person to take action under section 304 of the Clean Air Act.</p> | |

Emission Unit No. 001 (60 MMBtu/hr Wood-fired Boiler)**Summary Page**

Description: 60 MMBtu/hr Wood-fired Boiler with Multiclone, 2-Stage Wet Venturi Scrubber, and Ash Reinjection

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|--------------------|--------------|-----------------|-------------------------------|---------------------------------------|
| B-1 | Boiler Stack | PM | 0.20 gr/dscf @ 50% excess air | ADEM Admin. Code r. 335-3-4-.08(2)(d) |
| | | SO ₂ | 4.0 lb/MMBtu heat input | ADEM Admin. Code r. 335-3-5-.01 (SIP) |
| | | VOC | N/A | N/A |
| | | NOX | N/A | N/A |
| | | CO | N/A | N/A |
| | | HAPs | N/A | N/A |
| | | Hg | N/A | N/A |
| | | HCl | N/A | N/A |

Emission Unit No. 001 (60 MMBtu/hr Wood-fired Boiler)**Unit Specific Provisos**

| Federally Enforceable Provisos | Regulations |
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| 1. <u>Applicability</u> | |
| (a) This boiler is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits." | ADEM Admin. Code r. 335-3-16-.03 |
| (b) This boiler is subject to the applicable requirements of 40 CFR 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. The compliance date for this unit is September 9, 2019. | ADEM Code r. 335-3-11-.06(107); and 40 CFR Part 63, Subpart DDDDD |
| 2. <u>Emission Standards</u> | |
| (a) The permittee shall not cause or allow particulate emissions from this boiler to exceed 0.20 grains per dry standard cubic foot (gr/dscf), adjusted to fifty percent (50%) excess air. | ADEM Admin. Code r. 335-3-4-.08(2)(d) |
| (b) The permittee shall not cause or allow sulfur dioxide emissions from this boiler to exceed 4.0 pounds per million BTU heat input (lb/MMBtu). | ADEM Admin. Code r. 335-3-5-.01(b) |
| (c) Except as defined in Proviso (d) below, the Permittee shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this boiler. At no time shall the permittee discharge a 6-minute average opacity of particulate emissions greater than 40% from this boiler. | ADEM Admin. Code r. 335-3-4-.01 |
| (d) The applicable visible emission standards will apply at all times except during periods of startup and load changes as defined below: | ADEM Admin. Code r. 335-3-4-.01(1)(c) |
| (i) Startup is defined as the forty-five (45) minute period following the initial ignition of the fuel in the boiler firebox. | |
| (ii) Load change is defined as the fifteen (15) minute period following an initial demand for process steam when the boiler is at low-fire. Low-fire is defined as the condition when the boiler is operating at a minimal firing rate and providing no steam to any process. | |
| (e) Beginning September 9, 2019, the permittee shall not cause or allow the point source emissions from this boiler to exceed any of the following limitations, except as provided under 40 CFR §63.7522 and during startup and shutdown as required by 40 CFR §63.7500(f). Each emission result should be from measurements made in accordance with the requirements on 40 CFR §63.7520 and Subpart DDDDD, Table 5: | ADEM Code r. 335-3-11-.06(107); and 40 CFR Part 63, Subpart DDDDD |

| Federally Enforceable Provisos | Regulations |
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| <ul style="list-style-type: none"> (i) Hydrogen Chloride (HCl) – $2.2E^{-02}$ lb per MMBtu of heat input or $2.5E^{-02}$ lb per MMBtu of steam output; (ii) Mercury (Hg) – $5.7E^{-06}$ lb per MMBtu of heat input or $6.4E^{-06}$ lb per MMBtu of steam output; (iii) Carbon Monoxide (CO) [or CEMS] – 3,500 ppm by volume on a dry basis corrected to 3 percent oxygen, 3-run average; or 900 ppm by volume on a dry basis corrected to 3 percent oxygen, 30 day rolling average; or 3.5 lb per MMBtu of steam output, 3-run average; (iv) Filterable Particulate Matter (PM) [or TSM] – $4.4E^{-01}$ lb per MMBtu of heat input or $5.5E^{-01}$ lb per MMBtu of steam output; or $4.5E^{-04}$ lb per MMBtu of heat input or $5.7E^{-04}$ lb per MMBtu of steam output], as applicable. | |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | |
| <ul style="list-style-type: none"> (a) If testing is required, the particulate emission rate from this unit shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A. | ADEM Admin. Code r. 335-3-1-.05 |
| <ul style="list-style-type: none"> (b) If testing is required, the visible emissions from this unit shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A. | ADEM Admin. Code r. 335-3-1-.05 |
| <ul style="list-style-type: none"> (c) If testing is required, the sulfur dioxide emission rate shall be measured in accordance with Method 6 or 6C at 40 CFR Part 60, Appendix A. | ADEM Admin. Code r. 335-3-1-.05 |
| <ul style="list-style-type: none"> (d) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance. | ADEM Admin. Code r. 335-3-1-.05 |
| <ul style="list-style-type: none"> (e) The permittee shall conduct emission testing for particulate emissions every 5 years to determine compliance with the applicable standards. The permittee shall conduct each test no later than 60 months from the date of the previous test unless an extension of time is granted by the Air Division. The permittee shall collect data during each test to determine the parameter range for the pressure differential across the venturi scrubber and the water flow rate to the venturi scrubber. Only emission tests that demonstrate compliance with an applicable emission limit shall be utilized in determining the parameter range. | ADEM Admin. Code r. 335-3-1-.05 |

| Federally Enforceable Provisos | Regulations |
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| <p>4. <u>Emission Monitoring</u></p> <p>(a) Properly installed, calibrated, maintained, and operated monitoring devices shall be utilized to continuously measure and record the differential pressure across the venturi scrubber and the water flow rate to the venturi scrubber. Each device shall be properly calibrated and necessary parts maintained for routine repair.</p> <p>(b) While the boiler is operating, the water flow rate to the venturi scrubber (in units of gallons per minute, "gal/min") shall be recorded, at a minimum, at least 4 times per hour (i.e. every 15 minutes). From these readings, 3-hour block averages shall be calculated and recorded every 3 hours. (154 gpm as tested on July 30, 2014)</p> <p>(c) While the boiler is operating, the differential pressure across the venturi scrubber (in units of inches of water, "in. H₂O") shall be recorded, at a minimum, at least 4 times per hour (i.e. every 15 minutes). From these readings, 3-hour block averages shall be calculated and recorded every 3 hours. (14 inches of water column as tested on July 30, 2014)</p> <p>(d) At least daily during daylight hours while the boiler operating, permittee personnel familiar with the process shall observe the visible emissions from the boiler stack to determine if the emissions are greater than normal.</p> <p>(e) An excursion is indicated if:</p> <p>(i) The 3-hour block average water flow rate to the venturi scrubber is below the minimum value established during the most recent stack test that successfully demonstrated compliance;</p> <p>(ii) The 3-hour block average differential pressure across the venturi scrubber is not within the parameter value range established during the most recent stack test that successfully demonstrated compliance; or</p> <p>(iii) Greater than normal visible emissions are observed from the boiler stack.</p> | <p>40 CFR §64.7</p> <p>40 CFR §64.3</p> <p>40 CFR §64.3</p> <p>40 CFR §64.7</p> |

| Federally Enforceable Provisos | Regulations |
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| <p>(f) Upon detecting an excursion or exceedance of any operating parameter as indicated by required monitoring, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable. Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.</p> <p>(g) The permittee shall only burn untreated wood waste in this boiler, unless otherwise approved by the Air Division. Propane or kerosene may be used to ignite the wood waste during startup.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §64.7</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The Permittee shall maintain records of emission monitoring performed in a permanent form on-site and available for inspection for at least five (5) years from the date of generation of each record. These records shall include:</p> <p>(i) Records of the differential pressure across the venturi scrubber and the water flow rate to the venturi scrubber. The records shall contain each 3-hour block average for the periods of boiler operation and the individual readings utilized to calculate the 3-hour average. The records shall also indicate the parameter ranges applicable during boiler operation;</p> <p>(ii) The date, time, and results of each daily observation for greater than normal visible emissions from the boiler stack;</p> <p>(iii) The date(s), time, nature, and results of any corrective action taken when an excursion from a monitoring parameter occurred; and</p> | |

| Federally Enforceable Provisos | Regulations |
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| <p>(iv) The date, time, and duration of all startups and load changes.</p> <p>(b) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (September 1st – February 28th/29th and March 1st – August 31st). The report shall include the following information for this emission unit:</p> <p>(i) A statement as to whether all monitoring data for the pressure differential and water flow rate was collected as required during the reporting period, and if not, the date(s) and reason(s) why the monitoring data was not collected;</p> <p>(ii) A statement as to whether all daily observations for visible emissions were completed as required during the reporting period, and if not, the date(s) and reason(s) why the monitoring was not performed; and</p> <p>(iii) The date(s), time, nature, and results of any corrective action taken when an excursion from a monitoring parameter occurred.</p> <p>(c) As specified in 40 CFR §63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR §63.10(b)(1). Records can be kept off site for the remaining 3 years.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>40 CFR §63.7560(b)</p> |

Emission Unit No. 007 (34.841 MMBtu/hr Natural Gas-fired Boiler)**Summary Page****Description:** 34.841 MMBtu/hr Natural Gas-fired Boiler

Permitted Operating Schedule:
$$\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|--------------------|--------------|-----------------|-------------------------|---------------------------------------|
| B-3 | Boiler Stack | PM | $E = 1.38H^{0.44}$ | ADEM Admin. Code r. 335-3-4-.03 (SIP) |
| | | SO ₂ | 4.0 lb/MMBtu heat input | ADEM Admin. Code r. 335-3-5-.01 (SIP) |
| | | VOC | N/A | N/A |
| | | NOX | N/A | N/A |
| | | CO | N/A | N/A |
| | | HAPs | N/A | N/A |

Emission Unit No. 007 (34.841 MMBtu/hr Natural Gas-fired Boiler)**Unit Specific Provisos**

| Federally Enforceable Provisos | Regulations |
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| 1. <u>Applicability</u> | |
| (a) This boiler is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits." | ADEM Admin. Code r. 335-3-16-.03 |
| (b) This boiler is subject to the Standards of Performance for New Stationary Sources; Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60, Subpart D _c . | ADEM Admin. Code r. 335-3-10-.02(2)(c); and 40 CFR Part 60, Subpart D _c |
| (c) This boiler is subject to the applicable requirements of 40 CFR 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. | ADEM Admin. Code r. 335-3-11-.06(107); and 40 CFR Part 63, Subpart DDDDD |
| 2. <u>Emission Standards</u> | |
| (a) The permittee shall not cause or allow particulate emissions from this boiler to exceed the allowable emission rate as calculated using the following equation: $E = 1.38H^{0.44}$ Where E = Emissions in lb/million BTU H = Heat Input in millions of BTU/hr | ADEM Admin. Code r. 335-3-4-.03 |
| (b) The permittee shall not cause or allow sulfur dioxide emissions from this boiler to exceed 4.0 pounds per million BTU heat input (lb/MMBtu). | ADEM Admin. Code r. 335-3-5-.01(b) |
| (c) The Permittee shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this boiler. At no time shall the permittee discharge a 6-minute average opacity of particulate emissions greater than 40% from this boiler. | ADEM Admin. Code r. 335-3-4-.01 |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | |
| (a) If testing is required, the particulate emission rate from this unit shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A. | ADEM Admin. Code r. 335-3-1-.05 |
| (b) If testing is required, the visible emissions from this unit shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A. | ADEM Admin. Code r. 335-3-1-.05 |

| Federally Enforceable Provisos | Regulations |
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| <p>(c) If testing is required, the sulfur dioxide emission rate shall be measured in accordance with Method 6 or 6C at 40 CFR Part 60, Appendix A.</p> <p>(d) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p> <p>(e) The permittee shall conduct an annual tune-up of each boiler to demonstrate continuous compliance as specified below:</p> <ul style="list-style-type: none"> (i) Inspect the burner, and clean or replace any components of the burner as necessary; (ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available; (iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly; (iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x requirement to which the unit is subject; (v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and (vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in 40 CFR §63.7540 (10)(vi)(a) through (C). <p>(f) The permittee shall conduct each annual tune-up specified in §63.7540(a)(10) no more than 13 months after the previous tune-up.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>40 CFR §63.7540(a)(10)</p> <p>40 CFR §63.7515(d)</p> |

| Federally Enforceable Provisos | Regulations |
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| <p>4. <u>Emission Monitoring</u></p> <p>(a) The permittee shall only burn natural gas in this boiler, unless otherwise approved by the Air Division.</p> <p>(b) Should the permittee desire to switch fuel type and apply for permit modification, then the permittee may, upon approval, switch fuels or make a physical change to the boiler. If the fuel switch or physical change results in the applicability of a different subcategory, the permittee must provide notice of the date of the fuel switch or physical change within 30 days of the switch/change. The notification must identify:</p> <p>(i) The name of the owner or operator of the affected source, as defined in 40 CFR §63.7490, the location of the source, the boiler(s) and process heater(s) that have switched fuels or were physically changed, and the date of the notice.</p> <p>(ii) The currently applicable subcategory under Subpart DDDDD.</p> <p>(iii) The date upon which the fuel switch or physical change occurred.</p> <p>(c) Should the permittee switch subcategories after the initial compliance date, compliance must be demonstrated within 60 days of the effective date of the switch, unless the compliance demonstration for this subcategory had been conducted within the previous 12 months.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>40 CFR §§63.7545(f) and (h)</p> <p>40 CFR §§63.7545(f) and (h)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The permittee shall record fuel usage on a daily or monthly basis and maintain these records on-site in a permanent form suitable for inspection and be readily available for inspection for at least two (2) years from the date of generation of each record.</p> <p>(b) The permittee must submit a Notification of Compliance Status according to 40 CFR §63.9(h)(2)(ii). For the initial compliance demonstration for the boiler, the Notification of Compliance Status, including any performance test results and fuel analyses, must be submitted before the close of business on the 60th day following the completion of all performance tests and/or other initial compliance demonstrations for all boilers or process heaters at the facility according to 40 CFR §63.10(d)(2). The Notification of Compliance Status report must contain all the information specified in 40 CFR §63.7545(e), as applicable.</p> | <p>ADEM Admin. Code r. 335-3-10-.02(2)(c) and 40 CFR Part 60, Subpart D.</p> <p>40 CFR §63.7545(e)</p> |

| Federally Enforceable Provisos | Regulations |
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| <p>(c) The permittee shall submit an Annual Compliance Report which contains the information in 40 CFR §63.7550(c) through (f), as applicable. The report shall be postmarked or submitted to the EPA Administrator and the Air Division no later than January 31st, after the end of each annual reporting period (January 1 – December 31).</p> | <p>40 CFR §63.7550(a) (b) and (c)</p> |
| <p>(d) The permittee must keep a copy of each notification and report submitted to comply with Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or annual compliance report submitted, according to the requirements in 40 CFR §63.10(b)(2)(xiv). Also, the permittee must keep records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR §63.10(b)(2)(viii).</p> | <p>40 CFR §63.7555(a)</p> |
| <p>(e) As specified in 40 CFR §63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. Records can be kept off site for the remaining 3 years.</p> | <p>40 CFR §63.7560(b) and (c)</p> |

Emission Unit Nos. 003, 004, and 005 (Lumber Dry Kilns)

Summary Page

Description: Two (2) 150 thousand board-foot (MBF) and One (1) 125 MBF High-temperature, Steam-heated dry kilns

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|--------------------|--|-----------|--|-------------------------------------|
| K-1 | Roof vents of 150 MBF Lumber Dry Kiln No. 1 (003) | PM | $E=3.59P^{0.62}$ | ADEM Admin. Code r. 335-3-14-.04(1) |
| | | VOC | Combined Production Limit for Kiln Nos. 1, 2, and 3: 120,000,000 BF during any consecutive 12-month period | ADEM Admin. Code r. 335-3-15-.01(h) |
| K-2 | Roof vents of 125 MBF Lumber/Timber Dry Kiln No. 2 (004) | PM | $E=3.59P^{0.62}$ | ADEM Admin. Code r. 335-3-14-.04(1) |
| | | VOC | Combined Production Limit for Kiln Nos. 1, 2, and 3: 120,000,000 BF during any consecutive 12-month period | ADEM Admin. Code r. 335-3-15-.01(h) |
| K-3 | Roof vents of 150 MBF Lumber Dry Kiln No. 3 (005) | PM | $E=3.59P^{0.62}$ | ADEM Admin. Code r. 335-3-14-.04(1) |
| | | VOC | Combined Production Limit for Kiln Nos. 1, 2, and 3: 120,000,000 BF during any consecutive 12-month period | ADEM Admin. Code r. 335-3-15-.01(h) |

Emission Unit Nos. 003, 004, and 005 (Three Dry Kilns)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
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| <p>1. <u>Applicability</u></p> <p>(a) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) These units are subject to the applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, 40 CFR Part 63, Subpart DDDD.</p> <p>2. <u>Emission Standards</u></p> <p>(a) The permittee shall not cause or allow the emission of particulate matter in excess of the amount determined by the use of the following equation:</p> $E=3.59P^{0.62}$ <p>Where: E = Emissions in pounds per hour (lb/hr)</p> <p>P = Process weight in tons per hour (TPH)</p> <p>(b) The combined production of the Nos. 1, 2, and 3 dry kilns shall not exceed 120,000 MBF during any consecutive 12-month period.</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be measured in accordance with Method 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); and 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-14-.04(1)</p> <p>ADEM Admin. Code r. 335-3-15-.01(h)</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> |

| Federally Enforceable Provisos | Regulations |
|---|---|
| <p>4. <u>Emission Monitoring</u></p> <p>Within 10 days of the end of each calendar month, compliance with the combined production limit shall be determined by calculating the combined production for the previous calendar month and the previous consecutive 12-month period.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) Records of dried lumber/timber production for the kilns shall be maintained on a monthly and 12-month rolling total basis. These records shall be maintained in a permanent form suitable for inspection for a period of five (5) years from the date of generation of each record and shall be made available for inspection upon request.</p> <p>(b) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (September 1st – February 28th/29th and March 1st – August 31st). For these units, the report shall include the monthly and 12-month rolling totals for lumber/timber production calculated during the reporting period.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

Emission Unit No. 006 (Wood Residue Pneumatic Transfer System)

Summary Page

Description: Planer Mill shavings conveyance system with cyclone

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|--------------------|-----------------|-----------|--|--|
| C-1 | Cyclone Exhaust | PM | $E=3.59P^{0.62}$ (P < 30 TPH) OR $E=17.31P^{0.16}$ (P ≥ 30 TPH) | ADEM Admin. Code r. 335-3-4-.04(1) (SIP) |

Emission Unit Nos. 006 (Wood Residue Pneumatic Transfer System)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|---|---|
| <p>1. <u>Applicability</u></p> <p>These processes are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>2. <u>Emission Standards</u></p> <p>The permittee shall not cause or allow the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following applicable equation:</p> $E = 3.59P^{0.62} \quad (P < 30 \text{ TPH})$ $E = 17.31P^{0.16} \quad (P \geq 30 \text{ TPH})$ <p>where E = Emissions in pounds per hour</p> <p> P = Process weight in tons per hour</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be measured in accordance with Method 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A.</p> <p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p> <p>4. <u>Emission Monitoring</u></p> <p>(a) At least weekly during daylight hours while the wood residue transfer system is operating, someone familiar with the process shall observe the visible emissions from the cyclone exhaust for greater than normal visible emissions as determined by previous observations of normal operations.</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-4-.04(1)</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

| Federally Enforceable Provisos | Regulations |
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| <p>(b) Whenever observed visible emissions are greater than normal, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal.</p> <p>(c) The cyclone shall be inspected for proper operation and cleaned at least annually, but more frequently whenever visible emissions are observed to be greater than normal from the cyclone. If the results of the inspection indicate that cleaning or maintenance is needed, such action shall be initiated as soon as practicable but no longer than 24 hours from the completion of the inspection.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The Permittee shall maintain records of emission monitoring performed in a permanent form on-site and available for inspection for at least five (5) years from the date of generation of each record. These records shall include:</p> <p>(i) The date, time, and results of each weekly observation for greater than normal visible emissions from the cyclone;</p> <p>(ii) The date(s), time, nature, and results of any corrective action taken when greater than normal visible emissions were observed; and</p> <p>(iii) The date(s) and time the cyclone was inspected for proper operation and, if the results of the inspection indicated that cleaning or emissions-related maintenance was needed, the date(s), time, and nature of the cleaning/maintenance performed.</p> <p>(b) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (September 1st – February 28th/29th and March 1st – August 31st). The report shall include the following information for this emission unit:</p> <p>(i) A statement as to whether all daily observations for visible emissions were completed as required during the reporting period, and if not, the date(s) and reason(s) why the monitoring was not performed; and</p> <p>(ii) A statement as to whether the annual inspection of the cyclone was accomplished during the reporting period, and if so, the date and results of the inspection;</p> | |

| Federally Enforceable Provisos | Regulations |
|---|-------------|
| <p>(iii) The date(s), time, nature, and results of any corrective action taken when (1) greater than normal visible emissions were observed from the cyclone or (2) an inspection of the cyclone indicated that cleaning or emissions-related maintenance was needed.</p> | |

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